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By Far Greater Number of Large Organizations Fall Short of Monopoly

By CHARLES R. VAN HISE, President University of Wisconsin

IN a discussion of the trusts it will be well to question to what extent there is general agreement concerning them. It is widely agreed by those who have considered the question of big business that MONOPOLY SHOULD BE PROHIBITED; also there is an equally general conviction that unfair practices should be eliminated. It is further agreed universally that competition should be retained. These premises I shall accept in this discussion without any attempt to prove their soundness.

There may be great magnitude in business and not monopoly. Indeed, it is believed that by far the greater number of large organizations fall short of monopoly. Only if we assume that all of the great combinations of industry are monopolies does the conclusion follow that they should be destroyed.

NOT ONLY DO I HOLD THAT NOT ALL LARGE BUSINESS IS MONOPOLISTIC, BUT THAT CONCENTRATION UP TO A CERTAIN POINT IS NECESSARY IN ORDER TO GIVE EFFICIENCY. IT WOULD NOT BE HELD BY ANY ONE, I IMAGINE, THAT WE SHOULD RETURN TO THE SITUATION OF FIFTY OR SIXTY YEARS AGO, IN WHICH INDUSTRY WAS MINUTELY SUBDIVIDED, IN WHICH THERE WERE FEW ORGANIZATIONS OF LARGE SIZE. DO ANY OF YOU BELIEVE THAT WE SHALL EVER RETURN FROM THE GREAT FLOUR MILL TO THE CROSS ROADS GRIST MILL? IT IS IMPOSSIBLE BECAUSE OF THE ECONOMIC GAINS OF MAGNITUDE.

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CLAYTON L. PORTER.
Punta Gorda, Fla.

YIELD OF JAPANESE CANE

As Affected by the Use of Different Fertilizers

The fertilizer experiments with Japanese cane were begun in the spring of 1909. Observation and notes have been kept on the experiment each year since. Hence we have the results from six crops from which to draw conclusions. Eight plots of Japanese cane were used in this work. On an average for six years, the yields from the various plots varied from 7.55 tons to 13.7 tons of green material per acre.

Incomplete fertilizers were used on plots I, II and III. Plot I was given an application of 112 pounds of dried blood and 84 pounds of muriate of potash per acre each year. On an average of six years, Plot I gave a yield of 9.65 tons of green material per acre. Plot II was fertilized with 84 pounds of muriate of potash and 224 pounds of acid phosphate per acre each year. On an average of six years, Plot II gave a yield of 9.65 tons of green material per acre. Plot III was given an application of 112 pounds of dried blood and 224 pounds of acid phosphate per acre. On an average of six years, Plot III produced a yield of only 7.55 tons of green material per acre.

These results would indicate that potash and ammonia are the important fertilizing elements needed in producing a satisfactory yield of cane. One important point to consider is that Plot II which received no ammonia gave a better yield than did Plot III which received dried blood and acid phosphate.

Plots IV and VI were given complete fertilizers as follows: sulphate of ammonia, 72 pounds; potash, 84 pounds; and acid phosphate, 224 pounds, per acre. The only difference in these two plots was that muriate of potash was applied to Plot IV, and sulphate of potash was applied to Plot VI. For an average of six years, Plot IV produced 11.87 tons, and Plot VI produced 12.54 tons per acre of green material. This shows a difference of only 0.67 of a ton in favor of sulphate of potash.

Gal. No. 4—Jap. cane cont'd. article on Potash and Rural credits. Plot V received dried blood, 112 pounds; muriate of potash, 84 pounds; and acid phosphate, 224 pounds per acre. Plot VII was given the same fertilizer except that sulphate of potash was applied instead of muriate. On an average of six years Plot V gave a yield of 10.91 tons of green material per acre, and Plot VII gave a yield of 11.99 tons of green material per acre. This gives a difference of 1.08 tons of green material per acre in favor of sulphate of potash.

Plot VIII was fertilized the same as Plot VII. In addition an application of 2000 pounds of ground limestone per acre was made in 1909, 1911 and 1913. On an average of six years, Plot VIII produced a yield of 13.7 tons of green material per acre. This shows a difference of 1.71 tons of green material in favor of the use of ground limestone.

From the results obtained from this work on the soil on which this cane was grown (pine land), potash is most beneficial. It seems to make but little difference as to which form of potash is applied. The important point is that to produce the best yield the crop must have potash. Next in importance to potash is ammonia. It seems to make no difference which source of ammonia is applied. Phosphate seems to be of less importance than potash and ammonia in a fertilizer for Japanese cane. Ground limestone acted as a temporary stimulant only. No results were obtained from limestone after the first application.—John M. Scott, Florida Experiment Station

Musical Directions.

If you can't tell light music from the heavy variety try it on the scales. Philadelphia Record.

A DEVILFISH WEIGH- ING THREE TONS IS CAUGHT NEAR HERE

One of Three Taken by Scientific Expedition

TWO CAPTURED LAST YEAR

Female Fought Desperately and Aided by Male, Endangering Men—Shipped to a Museum.

It was an exhilarating experience a party of gentlemen after devilfish had down the coast from here recently.

In the party were Russell J. Coles of Danville, Va., Chas. Willis of Morehead City, N. C. and Capt. J. J. McCann and Luther Dixon of this city.

It was in the nature of a scientific expedition fitted out from here and at the personal expense of Mr. Coles. While sport and excitement were matters of secondary consideration with the members of the party, they had plenty of both. Several times they were placed in hazardous situations and "hair-raising" episodes came to be common occurrences.

The devilfish of these waters is scientifically known as Manta birostris and is of the ray family. Abounds in warm seas. Sometimes becomes fifteen to twenty feet wide and several feet thick. The head bears a pair of movable appendages or lobes sometimes called cephalic fins, and there are teeth only in the lower jaw. It is viviparous, usually producing but one young at a birth.

Specimens of this fish have been sought for the museums of the country. Mr. Coles was down in June of last year, when in company with Mr. Willis and Captain McCann, two good specimens of the male were taken. At that time a female was wanted, but could not be caught. This time the party went primarily to catch a female. But they did not confine themselves entirely to hunting for the female Manta. On April 6th, they made the first catch—male, 13 feet 2 inches wide, landed in eight minutes; a second one was caught the same day, male, 14 feet 1/2 inch wide, landed in fifty seconds.

On April 11th, they got a female Manta 18 feet 2 inches wide, taking twenty-two minutes to kill it. Between the eyes it was nearly six feet. It gave birth to a living young during the fight.

There was more excitement in the taking of the big female than any other ever caught. The male mate of about equal size stayed with her and apparently tried to help the latter fight off her would-be captors, thus making it dangerous for the men. He ran into the boat several times, lifting and knocking it about, and there is little doubt but that he would have made short work of the men if he could have gotten them.

The time it took to kill the two taken on the 6th inst. with the time added that it took to kill the two taken in June of last year—3 minutes and 10 minutes, the record is five Manta killed in 44 minutes.

Comparing the time it took to kill the two taken on the 6th inst. with the time added that it took to kill the two taken in June of last year—3 minutes and 10 minutes. Thus the record is five Manta killed in 44 minutes.

Mr. Cole uses a specially de-

signed harpoon when he is after these fish, and with it he is remarkably successful in subduing them in short time.

The female Manta was towed to shore—it took two launches 10 hours 30 minutes to convey it 12 miles. It broke one heavy whale harpoon line. Weighed over three tons.

A plaster cast of the whole fish was made, and this, with the head, tail and other parts required, was shipped from here to the American Museum of Natural History in New York to which it was donated by Mr. Coles.

Remarkable catches, attended with an element of danger that makes them the more interesting—just incidents in keeping with the reputation of Punta Gorda for big fish and great fishing.

Potash in the Muds of Columbus Marsh, Nev.

In searching for a domestic source of potash in the United States, the Geological Survey has explored more or less thoroughly a number of the desert basins in the west. Among the regions investigated is the mud flat known as Columbus Marsh, which lies midway between Reno and Tonopah, Nev., and has an area of about 35 square miles. Nine shallow wells have been sunk in this marsh and the borings and waters have been examined for potash.

Though commercial quantities of potash were not found and no saline beds were encountered, the data obtained in the exploration, like much of the survey work, have a scientific value. A more extensive chemical study has been made of the muds from one of the wells by W. B. Hicks, and the results are given in a recent Survey publication—"Composition of muds from Columbus Marsh, Nev.," issued as Professional Paper 95-A. This report shows that the muds contain a high percentage of potassium, only a small part of which, however, is soluble in water. The results of the chemical study indicate further that a large part of the potassium in the muds has been absorbed from solution and is held in a loosely combined form. This condition may account for the apparent dis-

appearance of the potassium from the salines of the desert-basin region, and should have a bearing on future exploration for potash. A copy of the publication, which is technical in character, may be obtained free on application to the Director of the Geological Survey, Washington, D. C.

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Etc., Etc.



A Visit Invited
H. C. Goldstein
Punta Gorda, - - Florida

NOTICE

Notice is hereby given that the undersigned as Guardian of the persons and estate of Ernestine Selz, Alton Selz and Bertram Selz, minors, intends to apply to the Honorable W. D. Bell County Judge, in and for DeSoto County, Florida, on the 19th day of May A. D. 1915 at ten o'clock in the forenoon of said date, or as soon thereafter as the same may be heard, for authority to sell all of the right, title and interest of the aforesaid minors in and to the following described lands lying and being in the County of DeSoto and State of Florida, and more particularly described as follows, to-wit: Lot Sixteen (16) of Block Thirty-three (33) in the Town of Punta Gorda, Florida.

DATED Tampa, Florida, this 12th day of April A. D. 1915.

DORA FLOOD.

NOTICE OF APPLICATION FOR TAX DEED

Notice is hereby given that John C. Longwell, purchaser of Tax Certificate No. 333, dated August 5th, 1901 has filed said certificate in my office, and has made application for Tax Deed to issue in accordance with law. Said certificate embraces the following described property situated in DeSoto County, Florida, to-wit: NE 1/4 of NE 1/4 of SW 1/4, section (18), township (38) south, range (24) east; the said land being assessed at the date of the issuance of such certificate in the name of Unknown. Unless said certificate shall be redeemed according to law, tax deed will issue thereon on the 24th day of April A. D. 1915. Witness my official signature and seal, this 20th day of March A. D. 1915. (Seal) A. L. DURRANCE, Clerk Circuit Court of DeSoto County, Fla.

By CLARENCE J. CARLTON, D. C.

appearance of the potassium from the salines of the desert-basin region, and should have a bearing on future exploration for potash. A copy of the publication, which is technical in character, may be obtained free on application to the Director of the Geological Survey, Washington, D. C.

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